

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Cundy et al.

**Application No.:** 10/528,629

**Filed:** March 22, 2005

**For:** METHOD FOR SOIL REMEDIATION  
AND ENGINEERING

**Group:** Not Yet Known

**Examiner:** Not Yet Known

**Our File:** SHP-PT085

**Date:** April 20, 2005

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included. Copies of all other cited documents are enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Cundy et al.

By   
Robert J. Ballarini  
Registration No. 48,684  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

RJB/pp  
Enclosures (18)

<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> SHP-PT085		<b>SERIAL NO.</b> 10/528,629	
				<b>APPLICANT</b> Cundy et al.			
				<b>FILING DATE</b> March 22, 2005		<b>GROUP</b> Not Yet Known	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	2,099,328	11/1937	Leo Casagrande			
	AB	6,221,237	04/2001	Lindgren et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
	AC	WO 91/01392	02/1991	PCT				
	AD	WO 97/28294	08/1997	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AE	Acar, Y. B. and A.N. Alshawabkeh, "Principles of Electrokinetic Remediation", Environmental Science and Technology 27, (13) 2638-2647 (1993)
	AF	Acar, Y.B., A.N. Alshawabkeh and R.J. Gale, "Fundamentals of Extracting Species From Soils By Electrokinetics", Waste Management 13/2, 141-151 (1993)
	AG	Bendell-Young, L. and Harold H. Harvey, "The relative importance of manganese and iron oxides and organic matter in the sorption of trace metals by surficial lake sediments", Geochim. Cosmochim. Acta 56, 1175-1186 (1992)
	AH	Cundy, A. B. and I. W. Croudace, "Physical and Chemical Associations of Radionuclides and Trace Metals in Estuarine Sediments: and Example from Poole Harbour, Southern England", Journal of Environmental Radioactivity 29,191-211 (1995)
	AI	Haran, B. S., B. N. Popor, G. Zheng and R. E. White, "Development of a New Electrokinetic Technique for Decontamination of Hexavalent Chromium from Low Surface Charged Soils", Environ Prog 15 (3), 166-172 (1996)
	AJ	Ho, S. V., C. H. Athmer, P.W. Sheridan and A.P. Shapiro, "Scale-up aspects of the Lasagna process for in situ soil decontamination", Journal of Hazardous Material 55, 39-60 (1997)

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AK	Ho, S. V., C. H. Athmer, P. W. Sheridan, B. M. Hughes, R. Orth, D. McKenzie, P. H. Brodsky, A. P. Shapiro, R. Thornton, J. Salvo, D. Schultz, R. Landis, R. Griffith and S. Shoemaker, "The Lasagna Technology for In Situ Soil Remediation. 1. Small Field Test", Environmental Science and Technology, 33, 1086-1091 (1999)	
	AL	Hopkinson, L., S. Roberts, R. Herrington and J. Wilkinson, "Self-organization of submarine hydrothermal siliceous deposits: Evidence from the TAG hydrothermal mound, 26°N Mid-Atlantic Ridge", Geology 26, 347-350 (1998)	
	AM	Jacob, K-H., S. Dietrich and H-J. Krug, "Self organization of mineral fabrics", In : Kruhl J. H., Fractals and dynamic systems in geoscience. Springer Verlag, Berlin, 259-268 (1996)	
	AN	Kovalick, W. W., "In situ Remediation Technology : Electrokinetics", U. S. Environmental Protection Agency, Office of Solid Waste and Emergency Response Technology Innovation Office, Washington, EPA542-K-94-007 (1995)	
	AO	Lageman, R., "Electroreclamation: Applications in The Netherlands", Environmental Science and Technology, 27 (13) 2648-2650 (1993)	
	AP	Lamont-Black, J., "EKG: the next generation of geosynthetics", Ground Engineering 34, 22-23 (2001)	
	AQ	Van Cauwenberghe, L., "Electrokinetics" (Technology Overview Report), Groundwater Remediation Technologies Analysis Center, 1-17 (1997)	
	AR	Virkyute, J., M. Sillanpaa and P. Latostenmaa, "Electrokinetic soil remediation – critical overview", The Science of the Total Environment 289, 97-121 (2002)	
	AS	Younger, P., "Shilbottle Colliery Remediation Scheme: The UK's First Large-Scale Permeable Reactive Barrier for Mine Spoil Leachate Remediation", CLAIRE view, Autumn 2002	

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